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(54) Identification system reader with multiplexed antennas

(57) An electronic system (8) is disclosed herein. The system includes circuitry (10) for processing a signal and a plurality of antennas (12a-12b). A plurality of switches (22a-22b) are also included. Each of the switches (22a-22b) is coupled between the processing circuitry (10) and a corresponding one of the antennas

(12a-12b). Each of the switches (22a-22b) includes first and second power MOSFETs where the source of the first MOSFET is coupled to the source of the second MOSFET. The system (8) further includes circuitry (28) for selecting of one of the plurality of switches (22a-22b) to be on.

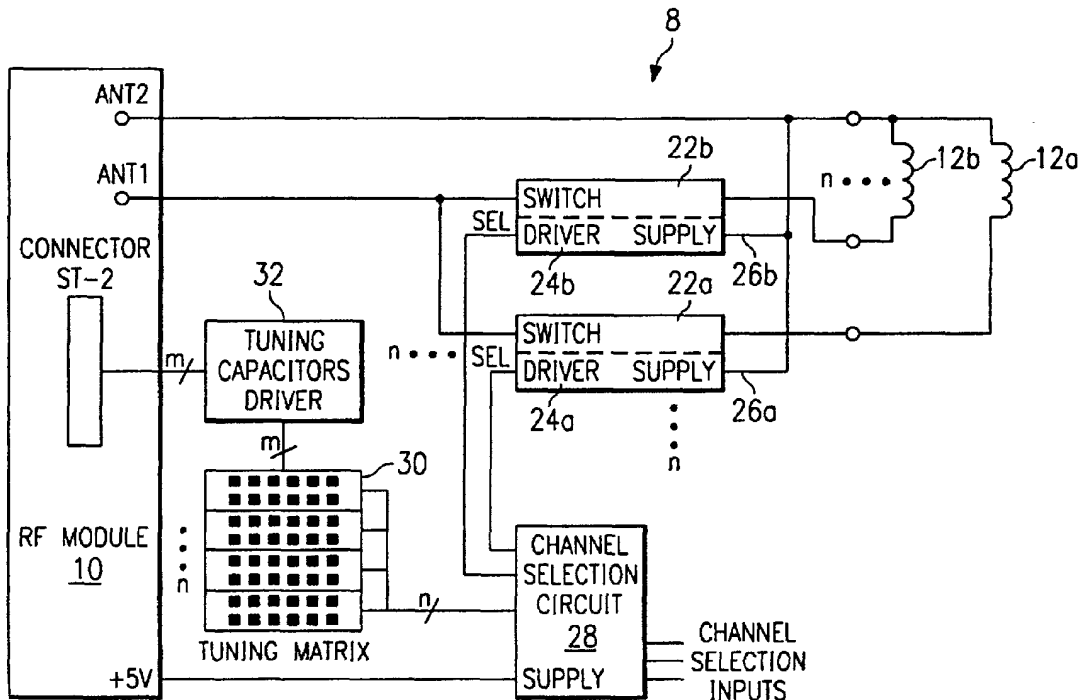


FIG. 2



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 96 10 6737

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Y	EP 0 496 610 A (TEXAS INSTRUMENTS HOLLAND) 29 July 1992 (1992-07-29) * column 3, line 20-38; figures 1,4 *	1-4,17	
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Y	LINDNER, HELMUT: "Taschenbuch der Elektrotechnik und Elektronik" 1986 , THUN , FRANKFURT/MAIN XP002255658 ISBN: 3 87144 752 8 * page 348 - page 349 *	4	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>20 October 2003</b>	Examiner <b>Koegler, L</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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